

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Pete Rossi <wa3nna@resuba.com>
Subject: [15675] 20 METER TEST QRP BEACON THIS WEEKEND **
Message-ID: <199703260421.XAA22925@resuba.com>

Later this spring, I plan to run full-weekend a QRP beacon on 20 meters much like the previous beacons run on 80 and 40 meters.

As a prelude to this, I am planning to run a short test beacon this weekend on Easter Sunday - March 30 1997.

The purpose of this beacon is to get a feel for how well the power levels can be heard so I can pick the most effective power levels to use for the full-weekend beacon that will be run - probably sometime in April.

----- WA3NNA/B 20 METER QRP TEST BEACON ANNOUNCEMENT -----

START TIME : 1300 UTC Sunday 30 MAR 1997 (8 AM EST Sunday morning)

END TIME : 0100 UTC Monday 30 MAR 1997 (8 PM EST Sunday evening)

FREQUENCY : 14062 KHz

OUTPUT POWER : Power will cycle though 5 different levels, 2 minutes at each power level; 4 minutes at the 200 uW level.

----- MINUTES PAST THE HOUR -----					POWER LEVEL
00-02	12-14	24-26	36-38	48-50	2 W
02-04	14-16	26-28	38-40	50-52	200 mW
04-06	16-18	28-30	40-42	52-54	20 mW
06-08	18-20	30-32	42-44	54-56	2 mW
08-12	20-24	32-36	44-48	56-60	200 uW

Each level represents a 10 dB drop from the higher level.

These times should be very accurate, however, keep in mind that the power level will not change to the next level until the previous message has finished sending.

LOCATION : Newtown Square PA FM29hx (about 15 miles west of Philadelphia)

MESSAGE : VVV VVV xx MW <4_letter_code_word> DE WA3NNA/B QRP
Sent at aprox 15 WPM. Unique codeword for each power level.
The codeword will be repeated TWICE at the 200 uW level.

ANTENNA : Tri-band rotatable dipole @ 70' oriented for 65/245 degrees.
Nulls off the end will be at 155/335 degrees.

REPORTING : Please send all beacon reports to BEACON@pete.resuba.com

Detailed signal reports, receiver and antenna info, etc are very much appreciated but PLEASE do not bury your codeword reports inside a lot of lengthy text. It takes forever to extract the information that way.

So, PLEASE include a separate text block with your report containing the following information for the lowest power level copied:

YOUR CALL & NAME
YOUR LOCATION
CODEWORD & POWER LEVEL
DATE/TIME
SIGNAL REPORT

Canadian and other DX stations, please send mailing address + long/lat coordinates of your location.

Certificates acknowledging the lowest power level at which you correctly copy the codeword will be available following the full weekend beacon session that will follow. In other words, a separate batch of certificates will not be run for this beacon session, however, they will be included in the next batch. This may change depending on the number of reports received.

Please spread the word about this beacon through whatever means available.

OK West Coast and DX, this is your chance to out shine the East Coast regulars on 80 and 40!

Good luck & 73,

Pete Rossi - WA3NNA QRP-L #459
wa3nna@pete.resuba.com
beacon@pete.resuba.com

PS.. Beacon Certificates from the last beacon session on Feb 8-9 should be in the mail tomorrow (3/26)

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [15703] 30m band
Message-ID: <Pine.SUN.3.91.970326102012.1284A-100000@kitsune.swcp.com>

Hi All, if you want my opinion of which band has the best DX right now, it would have to be 30m! Take into consideration QRM, QRN, it is a GREAT band. Just fooling around for a couple of days I have worked the following sta. with 5 watts to a Butternut. ZP6DA 559,JA8DGO 339,TI4VSG 449. I just installed a sloping half square for 30m and will give that a shot. 72, and good dx to all, Tom WB5QYT

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Charles Olson <jacksonharbor@worldnet.att.net>
Subject: [15679] 38 Special heterodyne
Message-ID: <19970326045614.AAA20106@LOCALNAME>

>Tim H. Ahrens wrote:

>> In the receive mode, I'm hearing a constant
>> hetrodyne. I first thought it was some type of
>> foreign broadcast, but it's still there without
>> an antenna! duhh! The 38s receiver seems to be
>> hearing the 12mHz oscillator, because the freq
>> of the hetrodyne changes if I touch stuff around
>> it. BTW, it's not really loud, just enough to
>> bug you,,, kinda like a mosquito!

Tim -

Do you have your 38 Special cased in a grounded metal box ??

The reason for asking is that I had a foreign broadcast problem with my SW-160 from Dave Benson. Dave chose an IF for 160 meters that was within about 5 Khz of a strong BC station in Florida. Just about sundown everyday I'd start hearing this station everywhere on my radio dial - with or without antenna. The station was getting into the IF directly - I put the circuit board into a steel tin and the interference vanished. It doesn't have to be a perfect shield - I just put it into a coffee can at first without a metal lid just to see the effect and it took care of the problem.

Another fellow with the same radio didn't notice the BC station at all - it really depends on location and signal strength.

Best Regards,

Chuck

Chuck Olson
WB9KZY
Jackson Harobr Press
Washington Island, WI

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: HIMES@idic11.idi.oclc.org
Subject: [15711] 38S mod for 40m operation
Message-ID: <01IGYLGOT6CYAR2E23@idic11.idi.oclc.org>

Notes on putting my 38 Special on 40 Meters...

For the adventurous amongst us.... I put my other 38S on 40 meters a couple of days ago, and it works ok, transmit and receive. I don't have the power mod in yet, but the stock version appears to put out about 300 mw on 7035-7045. Haven't worked anyone yet. I only got it running late last night and hadn't much time to try it out. Harmonic suppression appears quite reasonable. 7040 signal is 40 over S9 a few blocks away at K8IDN's location; second and third harmonics are waaaaay down. HIS harmonics at my place, are the same low levels from his Sierra.

BEWARE: There might be some huge flaw in this somewhere. I make no claim that this will work for anyone else. I'm just publishing what I did. I only have very preliminary results. That's all I'll probably ever have.

The essence of this 'mod', if you will, is to change the LO and IF frequencies and then scale up the resonant circuit values to get them in the right band.

Here's what I did:

I used (2) 9.216 mhz crystals (Mouser 520-HCA921-S):
one for the IF filter (X2)
and one for the transmit oscillator/BFO (X3)

I used (1) 16.257 mhz crystal (Mouser 520-HCU1625-S) crystal for the receive local oscillator (X1).

OTHER PARTS CHANGES (ALL VALUES APPROXIMATE)

APPROXIMATE new inductances (same T37-2 cores)	Associated APPROXIMATE new cap values
T1 22 turns (1.8 uH)	C3 -> 250 pf
L1 40 turns (6.4 uH)	(assume abt 15 pf varactor diode, no chg)
L2 25 turns (2.6 uH)	C22 -> 150 pf
L3 10 turns (.37 uH)	C28 -> 1200 pf
L4 14 turns (.83 uH)	C29 -> 820 pf
L5 32 turns (4.16 uH) (PROJECTED value; UNTESTED; this is what I'll try)	

These new values were calculated simply by scaling them up according to (10.110 / 7.040), as suggested by Ori. Thanks Ori! (As a check, I recalculated the resonant freqs, anyway, with the new values. They're pretty close.)

That's it. All new parts go in the same places as the old parts. Trimmer caps are left in place and work as usual. I have no sophisticated test equipment to measure the performance of this thing. I just winged it and got lucky. The receiver may be a bit wide for 40m but useable. I haven't changed the receive offset cap, but it's in the ballpark somewhere, at least for me.

Still has bad key click like my other 38S. Tick chip works fine. Will do the power mod in a day or so.

Marty Himes WB8FNH Columbus Ohio CQRP #26

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: duane <duane@flinet.com>
Subject: [15681] 38s Tx
Message-ID: <01BC3985.23221100@pm10-25.flinet.com>

Hi Gang, Has anyone had a problem with the TX freq. shifting on keydown. My 38s seem to change freq. By a few hertz . The sidetone does not allow Me to hear this but when connected to my DSP I hear the sidetone and it Seems to move up just a little as I hold down the key, it's not much but I Don't want a signal chirping on the air either. I don't like to copy one that does that so I don't want to annoy others either.
Duane AB4BE QRP-L # 710
duane@flinet.com

ab4be@amsat.org
<http://www.flinet.com/~duane>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: PGSPersEng@aol.com
Subject: [15680] 38S: Another call for help
Message-ID: <970326002420_586282031@emout04.mail.aol.com>

I described my difficulties in getting the 38S running over the weekend, and thanks to those list members who were kind enough to respond with some preliminary ideas. Unfortunately, I'm not much further along, perhaps because I didn't describe the problem well enough.

Here's another plea for assistance!

Symptoms:

- * No receive
- * Squeal (like a sweep generator) audible in headphones when I kill the power

38S, stock version

Transmit seems to function OK (uncalibrated range 10.105 - 10.122), power out through WM-1 wattmeter just < 300 mW.

I'm beginning to suspect U5: with the screwdriver test, I get a loud tone on Pin 6 (input to first op amp) but no tone on Pin 7 (output from first op amp) or any successive pins through the receive chain. Nowhere on the chain do I hear any AM radio stations as many others have reported using the screwdriver test.

However, Ori's debugging tip sheet says, "You should hear the sidetone with key down. This tells us that the audio amp circuit (U5) is functioning." And for key down, I *do* hear the sidetone loud and clear.

I've performed continuity checks from pin to pin throughout the receive chain with an ohmmeter and have verified electrical connections. I've verified polarity of all component insertion. Further, all the voltages on U5 per Paul Harden's sheet match perfectly.

So is my U5 bad? Before I go to the trouble of replacing it (oh well, it's soldered and not socketed), is there something else I should check or be

aware of?

Thanks for any suggestions.

72 and hope to CUL on 30m

Paul, AA1MI

QRP-L #360

PGSPersEng@aol.com

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)

Subject: [15707] 50 years old

Message-ID: <199703261831.NAA25544@alig1.firewall.lucent.com>

The transistor is 50 years old this year.

It was invented by Bell Labs (now Lucent Technologies) in December, 1947.

It costs a million times less to make one today than 30 years ago.

The inventors had no idea that this humble invention might become as important as the "wheel". The transistor is the invention of the century, and no one appreciates it more than the QRPer.

We do more with less.....More often too.

W1FMR

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: w7rfm@juno.com (John E Hirsch)

Subject: [15715] 50/30/40

Message-ID: <19970326.113338.3070.0.w7rfm@juno.com>

What is this 50/30/40?

John, W7RFM

W7RFM@juno.com

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: zearwd@rockdal.aud.alcatel.com (W. Dennis Zeares)
Subject: [15710] 50/40/30 Schedule????
Message-ID: <9703261840.AA27110@aud.alcatel.com>

Is the 50/40/30 activity still going?
Is there a schedule for the 50/40/30 activity?
TNX, 72/73 Dennis K3ETS, Dallas.

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [15730] 8044abm notes
Message-ID: <199703262245.WAA12072@chuck.dallas.sgi.com>

Someone asked me for a hard copy of same as they could not print it. I've been carrying this thing all round and need a mailing address. Sorry for the bandwidth as it was not posted.

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [15697] A Quasi LPDA for 17 - 10 Meters: Another look
Message-ID: <19970326.110241.4679.0.wb2vuo@juno.com>

Thanks to all for the leads on this question. In going back to my ARRL antenna Book, and borrowing a newer edition, I find that the 4-element Quasi-LPDA should work, and if it is made into a 5-element array, it becomes (almost) a "true LPDA"...

One of the things pointed out is either called a "Design Constant" or the "Slope". This is the arbitrarily-picked number, smaller than 1.0, that one multiplies (or divides) the lengths and the resonances to generate the periodicity(???) in the array. If you calculate out the ratios between the center frequencies in the 17, 15, 12 and 10 Meter band, they all fall at 0.86, plus/minus 0.02. This is close enough for me. The spacings between elements is not as clear, falling between 0.05-wave and

0.10-wave, with the longer arrays having more gain, but being bulkier.

Here's what I came up with, on paper:

1st element - Fr = 15.53 MHz, L = 30.14 ft
2nd element - Fr = 18.06 MHz, L = 25.91 ft
3rd element - Fr = 21.00 MHz, L = 22.29 ft
4th element - Fr = 24.41 MHz, L = 19.17 ft
5th element - Fr = 28.39 MHz, L = 16.48 ft

L1 - L2 = 3.17 ft
L2 - L3 = 2.72 ft
L3 - L4 = 2.34 ft
L4 - L5 = 2.02 ft

Boomlength = 10.25 ft

Approximate gain (and, this is from some very hard-to-read charts) ~6.5 dBi

If the charts are correct, with the smallish "Active-Cell" size, the QLPDA would show about 1.5 - 2 dB less gain than a 2-element yagi for the band, but would cover all 4 of the upper bands at an SWR of <2:1, this on a single feedline.

As soon as the WX allows, I am going to try one, and will post my findings.

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam
Email - wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: No Data Available <earwax@indy.net>
Subject: [15691] address change
Message-ID: <Pine.LNX.3.91.970326085736.27938A-100000@trixie.qrp.com>

Sorry to bother the list with this but would someone tell me how to change my email address for the list.

TIA

Good DX,

Charlie
qrp-1 #60

Principal from BOS..."There's no problem so large it can't be solved by killing the user off, deleting their files, closing their account and reporting their REAL earnings to the IRS." earwax@indy.net

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: pmk@juno.com
Subject: [15678] Address for the LC-II B sorry gents !!!
Message-ID: <19970326.042520.4735.11.PMK@juno.com>

I should have known better to send out a report without a number or address in it and my apologies.

The cost of the kit is 89.95 or the assembled and tested meter is 119.95 and \$4.00 1st class post or \$5.00 Priority post for either one. They also take credit cards.
I found them on the Norcal page or go to

www.mtechnologies.com/mthome

or
Milestone Technologies, Inc.
3140 Peoria St. Unit K-156
Aurora, Co. 80014-3155

(303) 752-3382 or
orders
800-238-8205

72/73 de Patrick KD4OBQ

AR

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [15719] ANOTHER LDG Auto-tuner GROUP PURCHASE!

Message-ID: <Pine.3.89.9703261451.A21554-0100000@w3eax.umd.edu>

Yes, by the power vested in me by Dwayne Kincaid, WD80YG, the great engineering mind over at LDG, along with my loving wife Chris, N3MXZ, who agreed NOT to ask for a divorce after the last group purchase and is STILL letting me go to Dayton, too (Chris, you still there?)...

ANOTHER GROUP PRCHASE ON LDG ANTENNA TUNERS!!!!!!

<<<for more info on the products, check [<http://www.radix.net/~ldg>](http://www.radix.net/~ldg)>>>

NEW!!! Note the inclusion of ASSEMBLED units!!!

QRP tuners \$85 (reg \$100)
QRP enclosures \$25
QRP's ASSEMBLED! \$139 (reg \$159)

AT-11 tuners \$127.50 (reg \$150)
AT-11 enclosures \$30
AT-11s ASSEMBLED! \$190 (reg \$219)

The enclosures are made by Ten-Tec and are VERY nice indeed.

All prices are PLUS SHIPPING (under \$10 in nearly all cases).

The purchase will open NOW and will close promptly at 5 a.m. Eastern time on SATURDAY, APRIL 5, 1997.

Here's how to order:

- 1) E-mail me or CALL me with WHAT YOU WANT.
- 2) I need a phone number as well as UPS-able address (no PO Boxes) if you need it to go via USPS, tell me.
- 3) I'll tell you the amount to send, and please send it ASAP.

Since I have to make a bulk order, you pay me, I make order, I spend hours sorting and boxing, and I send to you.

The last purchase totalled an AMAZING 101 tuners and 76 cases!

I look forward to this one being smaller =-)

REMEMBER, IT CLOSES SATURDAY, APRIL 5, 1997, 5 a.m. Eastern time

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: k3as@dol.net (Bill Marsh)
Subject: [15693] Antenna Help Needed
Message-ID: <v01540b00af5eacfc8921@[204.183.91.119]>

>
>I am at my wits end with the following problem, and would appreciate any
>advice (e-mail direct to me) that might help me out of this dilemma.
>
>My antenna is a wire in the attic, 40 feet along the peak, 10 feet
>drooping off each end, one tossed toward the east and the other west.
>It's fed with a single wire feeder coming down through a hole in the
>closet ceiling into the bedroom where an MFJ 945C tuner connects it to a
>TenTec Century 21 and HW-8 The point at which the feeder is attached was
>determined by convenience, not formula. On 80, 40, 20 and 15 the SWR is
>down to 1.1:1, tuning is broad, and the whole arrangement gets out
>surprisingly well.
>
>I am now trying to use this antenna on 30 meters with my new TenTec QRP
>kit and I can't get the SWR any lower than 3.8:1, using an external Autek
>WM1 SWR/POWER meter. Unlike the other bands, the feed point on 30 is very
>high impedance/inductive reactance.
>
>Here are some numbers read by removing the single wire feeder and ground
>from the MFJ tuner and attaching them to an Autek RF1 Analyzer. They
>clearly show the problem, and I would very much appreciate any ideas that
>you think might improve the situation.
>
> 3.560 Mhz Z=186 ohms Inductive L=8.1 microH
> 7.040 Mhz Z= 628 ohms Capacitive C=31 pF
> 10.11 Mhz Z=1351 ohms Inductive L= Off scale, meter reads to 300 microH
> 14.06 Mhz Z=325 ohms Inductive L=3 microH
> 21.06 Mhz Z= 183 ohms Inductive L=1.15 microH
>
>Thanks and 72! Bill K3AS Delaware
>
>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
Subject: [15709] attracting CQ's
Message-ID: <9703261837.AA01047@krypton.nmr.Hawaii.Edu>

My antennas are getting bolder on my balcony, if not more effective. Reception continues to improve and 40 meters is starting to look promising, but no contacts yet. I do hear lots of stuff, but very few Mainland US stations, one would think US Hams go to bed after work and do not get up until noon.

Early this morning I was up (5 a.m.) for some of that grey line and predawn action your read about. Not a single US station to be heard on 40 meter CW. I called CQ several times.

I was rewarded with several tuneups that turned out to be people getting ready to call CQ exactly, precisely, on top of my signal, as in zero beat. It is enough to make one paranoid since there were only about three signals audible from 7.000 to 7.030 at any time.

I heard, but failed to work HL5NBZ, JS1EQN, JJ8KGZ and VR2GY. That last one was weak and said something about being in HangPoun City, I think in Vietnam. Possibly Haiphong City. He was eventually jumped on by a UA station that pegged my S meter!

Any tips on the best times for 40 meters to the US? I certainly can find the best times for 40 meter CW to Japan, evenings and mornings. During daylight hours, 40 is pretty ragged with noise locally. I figured with Japan in the evening, I could hear US in the predawn hours locally. But it has either been dead as a doornail or once again featured Japan and stations West, except for some South American stations.

Heaven only knows where, if anywhere, the mess on my lanai is radiating. My new fancy field strength meter is "in the mail" so I can reassure myself that all that nice SWR reading isn't just making toast in the tuner.

BTW, I do know that using HAM rigs on Marine frequencies is illegal, I only said that dealers are happy to make the mods, and purchasing and selling them for Marine use is common practice.

Also, locally at least the top of the 80 meter band is now given over to SW AM stations, very strong, from Japan, Asia and Africa, from 3.9 to 4.0 Mhz. I hear a few rare CW signals in the 3.6 Mhz range with my little wire, but these SW AM guys are S-meter bouncers.

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Jon Ayscue <ayscue@stsci.edu>
Subject: [15706] Audio Filter for Ten-Tec Argonaut?
Message-ID: <v03007804af5ec8290da7@[130.167.14.150]>

Hello, Everyone. I'm in the process of getting back on the air after about 15 years. My immediate problem is finding a CW audio filter for my Argonaut 509. I had a nice little active filter I built a long time ago, but it has gotten lost in the shuffle of too many moves since then.

Can anyone recommend a nice, sharp, CW filter that would be compatible with the Argonaut? I am making some effort to locate one of the old Ten-Tec 208 CW filters, but I'm not too optimistic about finding one. In any event, I wouldn't mind adding a little modern technology to the Argonaut if there's something out there.

Any advice would be appreciated.

Looking forward to QRP'ing again,

Jon Ayscue, KC30U

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: duane <duane@flinet.com>
Subject: [15683] bill launer
Message-ID: <01BC399A.F987BAA0@pm10-25.flinet.com>

Sorry guys for the BW but Bill as been so good to help me obtain Information on an Oscilloscope that I wish to thank him however His email keeps getting returned undelivered. So Bill thanks for the Information and yes I got the text files FB. I don't know what's up with the email system but I tried 4 times to reply to your message.

72's

Duane AB4BE QRP-L # 710
duane@flinet.com
ab4be@amsat.org
<http://www.flinet.com/~duane>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: /PN=Dave.Ackrill/O=westwood45/@powergen.co.uk
Subject: [15684] Commercial Beacon Frequencies
Message-ID: <970326093527Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

For anyone interested in listening for propagation beacons, there are two beacons involved in the ITU Beacon project.

LN2A is in Norway and VL8IPS is in Australia. They both transmit on the following frequencies (in kHz)

5470
7870
10407
14405
20945

Then there is VIP in Perth, Western Australia which is a commercial communication station that, when I've ever heard it, seems to spend a lot of time marking its frequency. This is on 8521 and 12953 kHz.

The 6 & 10 Report (published monthly by the RSGB Propagation Studies Committee) gives details of reports of LN2A, VL8IPS and VIP by UK stations. Reports are usually given as an overall reliability for the month in four parts of the day (M = Mornings, N = Noon, A = Afternoon and E = Evening) for each frequency, based on the reports of all contributors, along with a mean strength.

If anyone is interested in letting me have reports of the beacons, I'll pass them onto the editors of the 6 & 10 Report as a comparison against the reports for the UK. If any UK stations are interested in sending reports, I'm sure these would be welcomed as well.

All helps in giving propagation data and maybe helping those of us who want to choose the best time and days to use QRP on particular bands a better chance of success!

Cheers de Dave (G0DJJA)

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: Rogerio Gonzaga <gonzaga@med.up.pt>
Subject: [15687] CQ WPX SSB Contest
Message-ID: <199703261847.TAA07217@mail.med.up.pt>

Hi, folks,

If anyone is interested, CT1ETT will be QRPing in the contest next weekend: QRP+ with 5 watts output, TH6 for 10-15-20, Windom for 40-80 and Marconi for 160 (not expecting too much in SSB QRP on top band, of course...).

I always QSL via buro ALL the Qs (although sometimes not immediately), so if you have not confirmed CT QRP on any band, please give me a call (your point and eventual multiplier is more than welcome, of course). PLEASE do NOT QSL direct!

Good luck and best 72/73 de Roger, CT1ETT

Rogerio A. F. Gonzaga, MD, PhD
Surgical Professor at the Faculdade de Medicina do Porto - Portugal
Ex-Honorary Surgical Registrar at the Hammersmith Hospital - London, UK

Radio Amateur CT1ETT QTH Loc IN51re
G-QRP Club # 8673 ISWL # CT-20574 QRP-L #516

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [15667] Fox Standings
Message-ID: <199703260042.RAA04448@dancris.com>

For anyone who might have missed Chuck's note, I have the final Fox standings on my page. URL in sig line.

Joe Gervais, AB7TT, was kind enough to come up with a relative ranking, as well.
73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Swanson, Glenn, KB1GW" <gswanson@arrl.org>
Subject: [15721] FW: Location of JW5HE
Message-ID: <m0wA06P-0004rMC@mgate.arrl.org>

Someone pointed out:

From: n7kt
Subject: Re: Location of JW5HE
From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Joe Gervais <vole@primenet.com>
Subject: [15682] FYBO Final Results (Long)
Message-ID: <199703260709.AAA14634@usr01.primenet.com>

Howdy Folks,

Well it was a blast all around! Now that the snow has settled, the results of the first FYBO Winter QRP Field Day are in. The most common soapbox comment was "had a great time", which makes us ScQRPions very happy. FYBO is more of an "operating event" than a contest, and having fun was what it was supposed to be all about. And for those "monster" stations out there, congrats on the great scores!

Many thanks to all the field ops who braved the cold, and to the home ops who passed out so many QSOs to the frozen critters in the field. And thanks also to the FYBO prize sponsors. You all made a unique event downright fun!

Notes:

- From the 80 logs received, 2311 QSOs were reported - Yowza!
- Coldest field "low temp" was KI0G (10F), warmest field "low" was N4BP (70F). Somebody owes someone a beer. :-)
- Three stations worked over 100 QSOs each (KI0J, N4BP, K0FRP).
- Four of the Top Ten scores were QRPP entries.
- 11 field stations operated in below-freezing temperatures.
- Only "home" ops recommended that FYBO run longer than 12 hours. :-)
- Only two N/T+ logs were received (N3XRV/T, NL7QT/T). Thanks guys!

- One DX station joined in the fun (HP1AC).

Awards/Prizes:

- Highest Score:

MultiOp: K10J, 129,600 pts.

Single Op: N0TU, 67,200 pts.

N/T+: N3XRV/T, 2,400 pts. (VibroFloyd Paddles - Thanks NQ7X!)

HB Rig: N0TU, 67,200 pts. (NA5N's QRP Data Book - Thanks Paul!)

- Worked Most ScQRPions: K10J, 14 (SW-XX QRP XCVR Kit - Thanks WA5WHN & NN1G!)

- Random Drawing: N1MVU (TenTec QRP XCVR kit - Thanks ScQRPions!)

- Coldest Operating Temp: KI0G, 10F (Complete Bound Set QRPP - Thanks NorCal!)

- Worked Most N/T+'s: W4ED, 2 (NA5N's QRP Data Book - Thanks Paul!)

That's it! Full results follow below, sorted by temperature of course. ;-) A list sorted by score will appear shortly on ScQRPion Bob's (KI7MN) web page, along with all the rest of the FYBO results. Soapbox comments will also be there soon - too many to include here. Great job everyone!

Any mistakes are my own. Some scores were corrected (all but one increased, mainly due to method of using multipliers), but please let me know if there are any glaring errors.

Thanks again to everyone from us ScQRPions!!!

So what do you say, try it again next year?

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And then you must cut down the mightiest tree in the forest with... A HERRING!"

===== FYBO '97 RESULTS =====

Sorted by Temperature, naturally... :-)

Callsign	Location	Q's	SPC	Temp	Score	Power
KI0G	Field	9	5	10 F	2160	2w
N0TU	Field	35	20	15 F	67200	950mW
VE3JC	Field	44	23	18 F	13386	5w
AA8LF (Mult)	Home	58	28	19 F	43008	990mW
AA0ZR	Home	23	8	20 F	1840	4w
AA0XJ	Home	8	8	22 F	680	5w
N0UR	Field/Home	57	28	24 F	45800	5w
AA0SM	Field	23	16	27 F	14720	2w
KB6FPW	Field	35	15	28 F	44400	950mW
N6CNY	Field	32	16	28 F	42240	900mW
AC6XK	Field	15	8	28 F	9280	2w
AB7TT	Field	92	33	29 F	124080	5w
AB7ST	Field	8	6	29 F	1920	5w
WS4S	Field	44	21	30 F	29568	5w
NG1G	Home	44	27	30 F	9504	5w
AB7TK	Field	9	5	34 F	1440	2w
AE0Q	Field	65	29	36 F	60160	5w
N7IVR	Field	2	2	38 F	128	5w
KC7SXW	Field	6	3	39 F	576	5w
W5BI	Field	25	13	41 F	7800	4w
KV9X	Home	32	15	42 F	11520	4w
WD8RIF	Field	11	7	42 F	1848	5w
K4NK	Home	24	15	42 F	1080	4w
WA5WHN	Field	52	26	43 F	32448	5w
N3XRV/T	Field	5	5	43 F	2400	950mW
WQ4RP (Mult)	Field	67	30	44 F	48240	2w
N4KN	Field/Home	10	9	45 F	1185	5w
KN6YD	Field	6	4	45 F	84	2w
N4EO	Field	27	14	45 F	9072	5w
N2MN (Mult)	Field	12	8	45 F	3456	5w
KF4KRV	Home	7	6	47 F	1008	2w
K10J (Mult)	Field	150	36	48 F	129600	5w
WA8GHZ	Field	34	19	48 F	15504	5w
W4ED	Home	53	26	48 F	11232	5w
K5RAC (Mult)	Field	12	8	49 F	3072	4w
W5FN	Field	39	19	50 F	11856	5w
WB2VUO	Home	18	11	51 F	792	5w
W5VBO	Field	27	14	52 F	6048	5w
W7CNL	Home	26	19	54 F	988	5w
N6WG (Mult)	Field	82	32	55 F	41984	5w
KB9LCK	Home	17	13	55 F	402	3w
WB4ZKA	Home	6	5	56 F	240	950mW
KQ6FR	Home	24	13	57 F	624	5w

AB70A	Field	13	9	58	F	1872	5w
KI7MN	Field	17	10	59	F	3360	2w
N9UKX	Home	9	9	59	F	162	4w
K2VCO	Field	19	14	59	F	4256	5w
AB7MY	Home	33	17	60	F	561	5w
N2TNN	Home	17	12	60	F	408	5w
W3TS	Home	12	7	60	F	336	900mW
KC1FB	Field	3	3	60	F	288	950mW
N7RI	Home	13	12	60	F	156	5w
KB7QXY	Home	11	5	60	F	120	5w
N1MVU	Home	8	7	60	F	56	5w
K6MW	Home	10	5	60	F	50	3w
K4GT	Home	19	11	64	F	209	3w
K5JS	Home	20	13	65	F	260	5w
KG0ZT	Home	18	13	66	F	598	5w
K5OI	Home	30	14	68	F	1680	950mW
K1MG	Home	52	28	68	F	1456	5w
N4BP (Mult)	Field	126	40	70	F	40640	5w
N7NX	Home	22	15	70	F	660	2w
W07T	Home	21	14	70	F	294	5w
NL7QT/T	Home	11	3	70	F	132	5w
K3WWP	Home	10	7	70	F	70	5w
KB9IUA	Home	8	7	70	F	56	5w
WA2BQI	Home	4	4	70	F	16	1w
WJ4P	Home	10	7	70	F	280	950mW
WZ2T	Home	50	18	70	F	900	5w
AE4IC	Home	13	7	71	F	91	5w
N4ROA	Home	88	33	72	F	6072	5w
K0FRP	Home	125	36	72	F	4572	3w
N2VPK	Home	37	21	72	F	3728	950mW
WU7F	Home	20	15	72	F	600	5w
KB5HRS	Home	14	10	72	F	140	5w
AL7FS	Home	4	4	72	F	16	5w
K5ZTY	Home	25	16	75	F	400	5w
AC6KW	Home	4	4	75	F	32	3w
AA1IK	Home	17	13	75	F	221	5w
HP1AC	TBD	23	TBD	TBD		TBD	TBD

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
 From: ericvia@why.net (Eric Via)
 Subject: [15677] Hearing Code All The Live-Long Day...
 Message-ID: <v01520d0a714a01c92fea@[207.211.121.174]>

I haven't experienced this phenonenon since my days in
 the Navy - I'd forgot what it was like!

I'm hearing Morse ALL DAY LONG!! In my car - at work, at home, when I'm on the radio, in the bathroom, EVERYWHERE1

I used to get this when I was learning CW in the Navy - and forgot how almost SCARY it is!!

I guess the ol' brain gets used to picking up the Morse and expecting it - and then away from the rig my brain still wants to copy!! ARRRGHHH!!

: -)

72 Eric AD4SS

Father, Husband, Writer, Ham Op (AD4SS) QRP CW, Beer-maker, Mercedes-Benz owner & lover, Spelunker, South Carolinian, Mac-head, Libertarian, Dreamer, Ex-Navy, Weimaraner fan, Pro-Choice, Pro-Right-To-Bear-Arms, Pro-Voluntary-Euthanasia, Anti-Internet-Censorship.

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [15702] HOW WARM IS TOO WARM (COOLING FAN ON RIG)
Message-ID: <9702268594.AA859404111@smtpgw.ccgate.dl.nec.com>

Friends:

Don't know if I'm worried over nothing, or if this could be a future problem.

Have 3 antennas up now:

- a. 40m folded dipole fed with 300 ohm lead up 30 ft.
- b. 30m sloper dipole fed with 300 ohm lead up 30 ft.
- c. R5 vertical for 20m - 10m

On a & b above get 1:1 swr on whole CW portion of band

using my Tucker-1000 tuner. R5 tunes fb with no tuner.

Here's the rub - using the FT-840 on every band except 30m, (running 5 watts) the rig stays nice and cool. Only after keying for about 15-20 minutes at 20+ wpm does the rig's cooling fan kick on for a few seconds.

On 30m, however, after about 3 minutes of keying, the rig's heatsink gets warm (not burning hot, but warm) and the fan needs to run. I'm super worried about damaging my finals before I get to enjoy this rig. How hot is too hot?

Is this a sign that my set-up is inefficient on 30? Even though the tuner provides a good match to the rig, does the rig have to "work harder".

BTW - In a & b set-ups, the 300 ohm fed is not longer than 50 feet.

I know to be sure, I'd need to get an antenna analyser on this antenna. Any clues would be welcome.

73 de Dave NR3E/5
nr Dallas, TX
qrp-1 #25, ARRL
WIMPS: Qs=000 30m=00 17m=00 12m=00 States=00/00/00

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: ericvia@why.net (Eric Via)
Subject: [15676] I couldn't Stand it...I'm back!
Message-ID: <v01520d09714a011e07a0@[207.211.121.174]>

Folks,

Okay - I'll admit it - I couldn't stand to be away from this list - too much good stuff here...I'm back...

I've been having a LOT of fun with my HW-8 - I guess when you're brand-spankin' new EVERY QSO is fun fun fun!

I have 7 QSO's and 7 different states now! When I hear my contact sending "Q....T....H.....I..S" I get all excited - can't wait to highlight the state away on my map!

Anway...nice to be back!

72 Eric AD4SS

Father, Husband, Writer, Ham Op (AD4SS) QRP CW, Beer-maker,
Mercedes-Benz owner & lover, Spelunker, South Carolinian, Mac-head,
Libertarian, Dreamer, Ex-Navy, Weimaraner fan, Pro-Choice,
Pro-Right-To-Bear-Arms, Pro-Voluntary-Euthanasia, Anti-Internet-
Censorship.

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [15728] K1MG returns from orthogonal dimension; 50/40/30

Message-ID: <199703262229.QAA20872@multi13.netcomi.com>

Last Thursday, my hook into the internet got unhooked, and I've been
incommunicado until today, when Netcom finally replaced their broken
hardware.

I apologize for failing to return your emails during the last few days. I
wasn't ignoring you. I am now working my way through all the accumulated
correspondence.

It's a strange experience being suddenly disconnected from the rest of the
world.

It looks like the 50/40/30 challenge has gotten off to a very good start!
We are blessed with some very good QRP operators.

I intended to post schedule reminders early enough for digesters to read
them before the events, but my failed internet connection blew that this
week. I hope that everyone remembered that RHODE ISLAND and DELAWARE are
scheduled for this week.

Don't forget the 30 meter part! Warm up those 38 Specials!

Mike K1MG

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Hank Kohl <k8dd@contesting.com>
Subject: [15688] Looking for K3HRN
Message-ID: <2.2.32.19970326124830.006ab108@tir.com>

Is Tom, K3HRN still around? Have an email adx for him, but no replies.

Any help?

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS (k8dd@tir.com)
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: tahrens1@juno.com (Tim H. Ahrens)
Subject: [15727] MMA Vertical
Message-ID: <19970326.164238.15767.8.tahrens1@juno.com>

Wow, just got Vern's coil in the mail. What a nice piece of workmanship! I got the big one to do 80 meters...

Since nobody sells the SD-20 here in Austin (guess you don't need a long fly pole to catch catfish & perch), I did find a Black Widow 13' pole at wallyworld. I'm gonna add a 4' piece of PVC pipe on the bottom to get it to 17'. Will let all know how well it works.

Think I'll start calling the SLV the MMA Vertical!

Tim W5FN

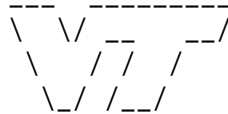
From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: pelt@vt.edu (Randy Pelt)
Subject: [15696] Need 9.6Mhz crystals
Message-ID: <v01540b00af5eb2da0f0d@[198.82.152.40]>

Anybody know where I can buy some 9.6Mhz crystals?? I need six. Mouser seems to have everything but that freq. Don't want to special order them (\$).

Thanks

Ranson J. Pelt
pelt@vt.edu
QST de w4wyt
ex-nz4i

Semper Fi



From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [15716] Need location
Message-ID: <Pine.SUN.3.91.970326125540.26472A-100000@kitsune.swcp.com>

Hi All, just worked a VA2AN and his name was Vlad. Can not find where VA land is. Can anyone help? Worked him with 5w to my new sloping half square and got a 449. 30 meters is just boiling with DX! Thanks, Tom WB5QYT.

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Tiwari, Sameer" <stiwari@cwonders.com>
Subject: [15714] Oscilloscope for Sale
Message-ID: <32ECD93001102E00@msgw.cwonders.com>

Got two SS5702 Jiwatsu,
Dual Trace,
DC-20MHz,

4" X 3" blue display,
Backlit graticule,
10 V to 1mV settings,
with calibrate settings,
bought used, works fine,
nice.

Would like to get \$200.00 for one of them.

If you would like to make a reasonable offer
reply via email only, stiwari@cwonders.com

Tnx
KF6HST
Sameer

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>
Subject: [15699] QRP AutoTuner (now w/Torroids)
Message-ID: <3.0.1.32.19970326171126.006ce6a0@mailhost.primenet.com>

All components (except T1) installed on board:
<http://www.qsl.net/ke7gh/qrp.htm>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Gary M. Diana Sr." <gmdsr@vivanet.com>
Subject: [15690] QRPers at JavaOne in SF?
Message-ID: <199703261346.IAA19364@shell110.vivanet.com>

Hello All -

Any other QRPers going to be at the Java Convention
next week at the Moscone Center in San Fran?

Let me know!

- Gary N2JGU
gmdsr@vivanet.com
<http://www.vivanet.com/~gmdsr>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [15668] RI on FSFM
Message-ID: <199703260050.RAA04838@dancris.com>

Anyone have any idea of RAndy's time/freq for tonite? I notice he is on 40 only, so is he going to be on at 0200Z, or for the full 4 hours (RI is kind of rare, ain't it)?

^^

73,
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Len W. Tough" <len@infinet.com>
Subject: [15701] Special Meeting! CQrp - Coax Improvements!
Message-ID: <199703261711.MAA26995@mail1.infinet.com>

Hi Gang.

Well, we tried to keep it hush-hush, but the cat is getting out of the bag again. CQrp wants to expand on the FB QST article on Coax, SO.....

Here is an excerpt from the CQrp Home Page at <http://www.infinet.com/~len>

....."THE COLUMBUS QRP CLUB, CQRP, WILL HOLD A SPECIAL MEETING ON APRIL THE FIRST TO COVER A VERY IMPORTANT AND TIMELY SUBJECT. PHIL CARTER, WD8QWR, WILL COVER THE ASPECTS OF BREAKING IN YOUR COAXIAL CABLE TO IMPROVE THE PERFORMANCE. IN MOST CASES, WITH THE PROPER METHODS, AN OPERATOR CAN IMPROVE THE PERFORMANCE OF COAXIAL CABLE BY UP TO 47 PERCENT. MR. CARTER, AN EXPERT IN THE FIELDS OF ELECTRONICS, CIRCUIT DESIGN, RF SPECTRUM ANALYSIS, AND COAXIAL DEVIATION TRANSIENTS WITHIN THE SPREAD-SPECTRUM OF HIGH Q FACTORS, WILL GIVE THE TALK TO BE HELD IN AN AS YET UNDESCLOSED AREA OF THE MIDWEST. THE TALK WILL EXPAND ON THE ARTICLE IN QST. MR. CARTER WILL DEMONSTRATE HOW THE AVERAGE QRP-ER, USING ORDINARY HAND TOOLS AND".....

Check the web site for more details.

More news later.

Best 72/3

Len

KG8SF

len@infinet.com

KG8SF@key.com

QRP-L # 841 CQrp # 2 ARCI # 9025 FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CHARTER MEMBER - THE COLUMBUS QRP CLUB - *CQrp*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,

Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: "Tiwari, Sameer" <stiwari@cwonders.com>

Subject: [15713] Test - Pls ignore

Message-ID: <FDEBD93001102E00@msgw.cwonders.com>

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: cjsterl@ix.netcom.com (Craig J. Sterling)

Subject: [15686] Thanks to all

Message-ID: <199703261147.FAA24497@dfw-ix2.ix.netcom.com>

Greetings,

Thanks to everyone who resposed to my DXCC announcement. The thanks really goes to you all.

Regards,

Craig, AA3MD

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: dwink@juno.com (Dan Winkler)

Subject: [15672] Thump Thought Troubles
Message-ID: <19970325.190208.7199.0.DWink@juno.com>

Gang

Spent 4 hrs Sunday late, writing Part I of "Thump Thoughts".
Even told my wife what a nice piece it was turning out to be.
Pushed "send".
Juno: "Unrecoverable error..."
Thump Thoughts went back to random bits.
Juno hangs system.
Re-boot. Re-Install.
All previous Juno files on other hard drive.
It will take me a while to sort this.
I owe many messages to individuals-
please be patient.

72 Dan Winkler N7IVR DWink@Juno.com Seattle, WA
Whom the gods would destroy, they first make proud.
-----z z z z Z Z Z A P ! ! ! -----

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [15722] USA QSL Bureau
Message-ID: <199703262126.VAA11859@chuck.dallas.sgi.com>

Gang,

I remember the discussion coming up several times during last year
about this not for profit organization. In fact when you get your
first card or set of cards that come from them they call themselves
a 'not for profit orgainization' [sic]. But, hey it's the 90s. :-)
Those who sent me cards I'll be sending you one back through the buro
(Morse abbreviation for bureau).

Anyway a few cards came through them and they sent me the first set as
an introduction, which was very nice of them. Here is information and
you have to make the call as to how this is going to fly.

It doesn't cost you anything to get cards but the expense of sending them
4 #6 envelopes. You can send in just one envelope, but I figure while in the
process, why not do it for 4, their maximum allowable number that I see
in print. Or you can send them \$5 and they will set you up with 10 SASEs.
The #6 envelope is the one that is 6 1/2" x 3 5/8" which those of us that
send out our cards first class use. Oh, make those 4 #6 SASE (Self

Addressed and Stamped Envelope) which requires that you put your name and mailing address on each envelope with a 32 cent stamp in the upper right hand corner. For the return address just put your call letters in the upper lefthand corner and I would assume large enough to be seen easily, but not too large that the USPS will cringe at it. :-) That will get you cards when they arrive at this organization and they put about 8 to 10 cards per envelope, so if you aren't too active then it may be a while before you get an envelope back.

If you are going to send out cards, then it costs you a nickel or \$0.05 per card in USofA currency. Sort the cards by district and suffix so that they don't have a headache doing it themselves. Think of the other individual and what they have to do to do this. If possible, put call of station card is going to on back of QSL if it is blank or has address space. Mine has a nice graphic on the back (artist at work) and thus does not have an address space so will use a post-it (tm) to help the sorting crew at the buro. Sort DX cards by prefix and number.

What I was thinking of also was an experiment. For the WIMPS (those of you in the WARC Internet Monitoring and Propagation Study starting in April) in this group (I am a WIMP bumper sticker) let's do the following. Let's all mail in 4 envelopes and thereafter for every multiple of 20 WIMPS contacts, send in a buck and the cards. They do send out DX cards for 5 cents each also for those of you going to do 200 countries at 200mW.

Getting this group to use them will do a few things that first come to mind:

1. They want a few thousand hams using them. We, as a relatively large economic force, can up their numbers fast. Make them the official QRP-L QSL BUR0. :-) They do have on their home page a link to the QRP calling frequencies, so they must be QRPers.
2. Could/should/will save you at least \$0.15 to \$0.27 cents per card for postage and pay for extra cards. And you were going QSL 100% weren't you?????? I knew you were. :-) QRPers are good QSLers. (tm)
3. Make it one stop shopping for mailing QSLs, cause I know how long it takes to go get the address from a server, fill in the envelope, and go drop each one into a mailbox. Save trees for antenna supports.
4. Save us all a great deal of expense this summer if we chose to QSL and try to get QSLs back for the record or awards or whatever on new bands for some of us. Fill in those hard to get states that never seem to have anyone on or anyone that likes to QSL.
5. And you won't be getting cards that the USPS cruncher gets a hold of. And it doesn't even do good origami. :-)

6. Hey, with all the money you might save, you can buy another rig and/or parts.
7. Don't confuse this group with the ARRL incoming bureau which is to be used for incoming DX cards only. Read the ARRL Operating Manual.

Their particulars:

USA QSL BUREAU, P.O. Box 814, Brewer, ME 04412-0814
<http://members.aol.com/usburo/index.htm> (note, there is no L at the end)
email: usburo@aol.com or aa1mf@aol.com

I browsed over to their home page. Hey, it's AOL, so it was a little bit slow, but it does get there. :-)

This is not a push to use on the group them or anything else. Just a note that I think they seem to provide a useful and productive service the amateur community. I don't know of any competing group doing the same thing. Chuck says 'check 'em out'. I don't get free service or special treatment (at least I don't think so and don't want it) for this. Include a note with you envelopes that you are a QRP-L'er. Let's see if they are paying attention. :-)

Oh, and for those of you who thought it was cute to get some odd shaped QSL and oversized QSL, check the dimensions. :-) I use a plastic shoe box to hold the cards and there are about 4 cards that I had to take the paper cutter to. ;-) AE4JM I remember doing this to. Oh, that hurt. Remember: we are all using the same size envelope.

Send me email, don't post to the group, if you will use the buro or have been using the buro. I'll set up a WIMPS area on my home page to show all participants and those using the buro. By call area. This means if you are a 6 in the 3 call area, you will be listed in the 6 area unless you show me /3 in the call, etc. Put BURO in the subject line and your call in the first non-blank line of the message as you want it to appear in the list.

pse qsl via buro dit dit

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Len W. Tough" <len@infinet.com>

Subject: [15689] Vanity Calls: On Hold Again?
Message-ID: <199703261331.IAA21525@mail1.infinet.com>

Hi Gang:

Been quite a long time since I filed for a vanity call. Havn't seen hair nor hide of it, or, for that matter, any 1 x 2 calls issued of late. Since the FCC has long since cashed my check, just wondering if anyone on the list knows if there is another long delay or something. I am not really in any hurry.

Just curious.
Thanks.

Best 72/3
Len
KG8SF
len@infinet.com
KG8SF@key.com

QRP-L # 841 CQrp # 2 ARCI # 9025 FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor
CHARTER MEMBER - THE COLUMBUS QRP CLUB - *CQrp*
Web Page: <http://www.infinet.com/~len>
QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Jerry Parker <jparker@fix.net>
Subject: [15723] W6MMA's SLV Page
Message-ID: <2.2.32.19970326215838.00ce29f0@fix.net>

I have posted some more pictures of Vern's Mod Kit in use on the SLV and also a page of what others say about his Kit.

<http://www.fix.net/~jparker/w6mma.htm>

Enjoy,,,72,,,Jerry...WA6OWR...K

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Randy Kaufman <krandy@hubcap.clemson.edu>
Subject: [15694] Who sells the Autek RF-1?
Message-ID: <199703261540.KAA13254@hubcap.clemson.edu>

Gang,

I'm setting up some labs and need to purchase some equip. I've got info on the MFJ-259, and wondered who carries the Autek?

Much Thanks!!

Randy

```
+-----+  
Randy Kaufman      WD4LUJ      QRP-L #776  
krandy@hubcap.clemson.edu  
"... playin' jester to the clown, ..."  
+-----+
```

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: roy lincoln <x5m7v7wl@coastalnet.com>
Subject: [15670] Why i like 30 meters!
Message-ID: <1.5.4.16.19970325204112.18dfd25a@mail1.coastalnet.com>

```
>Date: Tue, 25 Mar 1997 19:02:10  
>To: gswanson@arrl.org  
>From: roy lincoln <x5m7v7wl@coastalnet.com>  
>Subject: Why i like 30 meters!  
>Cc: "low power amateur radio discussion"qrp-l@Lehigh.EDU  
>  
> Hi Gang  
> I didn't include any remarks because the survey requested call and  
band. Well here it is. In a 6 month period in 1993 with a vxo xmtr. at 1  
watt, Drake r4-c and inverted vee up 35 feet fed by 100 ft. of rg-58c/u i
```

worked 41 states and 20 countries inc. VK9. From sept. 95 until june 96 with various antennas (dipole, quad loop, G5rv, 2 half waves in phase which turned into 2 full waves fed 1/2 wave off center, and finally a half square) from 30 to 52 ft. high and 4 watts output from an MFJ-9030, i worked 94 countries and 48 states. Now, with the NN1G rig from nov. 94 QST at 950 mw. out, since Jan. 21st, 1997 to date (lil over 2 months) and using a 20 meter LAZY H at 35/65 ft. i've

> worked 39 states and 21 countries. WAS and WAC are going to be relatively easy to do. DXCC can be done eventually. Competition is much less fierce with the rest of you guys stalking DX on 40 meters. I like the combination of propagation and band loading on 30 meters. I'm not a rabid Dx'er anymore and just like to do it casually. I don't worry too much if i don't get a card. I'll get one eventually. Qrp represents the fun that amateur radio was for many of us early on and is respite from complex radio that some of us work in daily! The 30 meter band is a friendly, casual, easy going band where Qrp'ers have high visibility, and excellent chances to work the world. Even the antenna requirement is less arduous. Thank God we can speculate on our favorite band without losing our priviledges on the others, BUT....if i could only have one, i'd pick 30 meters!

>

> 72/73 Roy WA4DOU

>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Mark Anthony-CFES03J <Mark_Anthony-CFES03J@email.mot.com>
Subject: [15685] WIMPS Dipole idea
Message-ID: <M1289070.001.ne3i0.1.970326111853Z.CC-MAIL*/OU=SGCC2/OU=ZSGBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

On Thu, 20 Mar 1997 12:15:23, John, N4JS, spake thusly and in part:
"I for one, am working on a multi-band 30/17/12M dipole!"

-- While thumbing through my old CQ rag collection, I came across a tri-band set up that may be useful to some.

From CQ Feb 1995, page 94, by Bill Orr, W6SAI.

He called it an open-sleeve dipole, describes a good history, rediscovered by K9AY.

The length would be 46' 8" long plus insulators and bridle. The antenna is three separate dipoles, spaced 2 inches from each other, with only the centre one fed, the other two being excited by close proximity.

26' 0"
Separated by 2"
46'8"
Separated by 2"
18' 11"

I suggest that, if interested, you run down a copy.

-- My personal experience in this area:
In the late 80's I was putting up a communications system in Bermuda and was rooming with my colleague, VE7QI, over the winter, on a farm with plenty of room for antennas. The owner let us put up as many antennas as we could manage (the company was paying her BIG bucks to rent the whole place) so I rubbed my hands together and strung an 80 meter dipole from a Norfolk pine, up about 100 feet. Man, I really got into Europe and back to HQ in Chicago. Earl, though, was trying to figure out how to string a wire beam for 20, 15 and 10 in a nearby low tree. He used a similar scheme to the one mentioned above by W6SAI and positioned the 15 and 10 meter dipoles just inches from the 20 meter driven element. While assisting him to build this bamboo and wire contraption, I (otherwise known as "Mr. Antenna") said, "Earl, this piece of crap is never gonna work! Why don't we just stick a vertical on the roof?". Earl just looked at me and shook his head and while he was walking away said, "I got a sked tonight with ZL somebody and I'll need the rig for a while." He then proceeded to work ZLs with 100 watts that night and every night for a month. Earl later explained to me that he called it "shock excitation" of the other dipoles and had used this technique before in Africa, the Middle East and ZL land on his many wire beams. I learned several lessons over that winter, not the least of which was a certain humility.

Cheers,

-- Jakarta Mark K9AM at YB0ARN QRP-L #443 k9am@amsat.org

+-----+
Mark D. Anthony, Implementation Manager, L.M.P.S.,
Radio Network Solutions Group, Asia/Pacific, MOTOROLA Inc.
email: CFES03JJ@email.mot.com
Location: Jakarta, Republic of Indonesia
Time Zone: GMT+7 (13 hours ahead of Chicago)
Tel: +6221-574-5806 Fax: +6221-574-5817
+-----+ .- ----. .- -- +-----+

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [15665] Re: 38S output, part 2
Message-ID: <3.0.1.16.19970325192057.2a079d90@mail49.mci2000.com>

At 06:32 AM 3/25/97 -0800, Steve Miller wrote:

>Hi all,
>I have been working on this for several days now and need some expert
>advice. My 38S is a 5w/TiCK model with the K8IQY mods to the PA and preamp.
>I have also done Bob Berrys stability mods with all the bypassing caps and
>ground strap. Went through last night and resoldered all the pads on the
>board and placed U4 directly in the board thinking that the socket may have
>been at fault after getting the same result with a spare U4. My voltages
>check out ok. Rig receives and functions normally otherwise and have made
>quite a few qsos with it - even got ZL4WA last night.

>
>On to the problem. The power out will slowly drop from 5W down to about 2W
>over about 10 minutes and then the output quality goes to crud. I think my
>stability problem was actually this same problems. I can instantly solve
>this by cycling the pwr to the rig. If I touch U4 I can vary the output by
>sliding my finger back and forth. This is more pronounced after the pwr out
>has started to drop. A touch (with finger) to the U4 side of C25 will cut
>power to zero. The PA runs cool and can go 30 seconds key down right after
>pwr on with no drop in output and just slightly warm. I have replaced
>C25/C26 (used two 390 polystyrene caps, out of 330) thinking I had a bad cap
>the first time I touched C25 :-) but no improvement.

>
===snip===

>
Steve...sure has the characteristics of a leaky cap or diode. If you
have a scope, I'd monitor the collector of TR1 and see what is happening
over time. If you don't have a scope, I'd be inclined to change D7
and/or C24 for starters. A can of "Zero Mist" or "Freeze Mist" to
cool various parts along with the hair dryer to heat them up could also
lend some insight into where the culprit lives.

GL....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_`\<,	Mizuho 17/40 SSB
...	(*)/(*)	...

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [15673] Re: 38S output, part 2
Message-ID: <333896DC.2481@concentric.net>

PDouglas12@aol.com wrote:

>
> In a message dated 97-03-25 10:53:17 EST, you write:
>
> << On the falling output problem:
> >What are you using for a heat sink?
> I have it well heat sinked. The pwr output drops after the rig
> runs receive only for a few minutes - even if I never transmit after turning
> it on! Chuck has me looking at heating of the xtal - early tests show that
> I can lower the output with a hot hair dryer and bring it back up again with
> a cooling fan. I sorta ruled out the PA heating since I can also bring the
> pwr back up immediately by just cycling the rig pwr. >>
>
> OK, then I like the Voltage regulator as the next prospect. These things
> often have internal heat protection that folds them back. I think Ori's
> original notes suggest a sink if needed, if the VR runs warm. Yours may be a
> mite more sensitive than most. They are cheap enough to consider the garage
> mechanic's method of trouble shooting: Change the part, and if that cures
> the problem, then that was it!
>
> 72,
>
> Preston WJ2V

Try an old trick that I use to use in debugging and trouble shooting.
Get yerself a can of that freeze spray. Not sure what stuff it is made
out of now, use to be freon. Just let the little bugger warm up and then
start hitting select components with a short burst of the freeze spray.
When the power jumps back up, you have found the weak component....

Best
Jess NOTFI

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Reder, Ronald" <Ronald.Reder@wang.com>
Subject: [15692] Re: 38S stability
Message-ID: <E15ABBF0D318CD011867800805F31305B0211CF@res02wnt245.corp.wang.com>

I performed Bob Barry's Ground and bypassing regimen last night. In
addition I referenced both C14 and C38 to +8 instead of ground (remember

to respect the polarity of C38) as suggested in an earlier post.

RX Offset stability

My receive offset is now nearly constant across the band. Before the changes, it varied about 200 Hz as I tuned across the band. I had adjusted C21 down to 40 pF as the best compromise value. After the changes I found 54 pF was the best value. Now my RX offset is only about 20 Hz off in the middle of the tuning range and right on at the ends.

RX Noise reduction

I had noticed there was noise on the audio output that was independent of the RF gain control setting. After the changes, this is SIGIFICANTLY reduced. I should have measured it before I made the changes, but I was too lazy.

Thanks, for all the ideas.

73, Ron KA1KCU

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: George Dobbs <g3rjv@gqrp.demon.co.uk>

Subject: [15724] Re: Address for the LC-II B sorry gents !!!

Message-ID: <fuHXdT28S0zEw1a@gqrp.demon.co.uk>

In message <19970326.042520.4735.11.PMK@juno.com>, pmk@juno.com writes

>I should have known better to send out a report without a number or

>address in it and my apologies.

>

>The cost of the kit is 89.95 or the assembled and tested meter is 119.95

>and \$4.00 1st class post or \$5.00 Priority post for either one. They also

>take credit cards.

>I found them on the Norcal page or go to

>

>www.mtechnologies.com/mthome

I can commend this L/C Meter - just built one for the UK review.

It appears to do all they claim ... and rather well.

I will have one to show at Dayton.

Details can be found at www.aade.com

72/3

George Dobbs G3RJV

It is vain to do with more

The G QRP Club
g3rjv@gqrp.demon.co.uk

what can be done with less
William of Occum (1290-1350)

St. Aidan's Vicarage, 498 Manchester Road, Rochdale, Lancs. OL11 3HE. U.K.

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Jim Bennett <jbennett@ebmud.com>
Subject: [15718] Re: Attracting CQs
Message-ID: <33398E80.5FD7@ebmud.com>

Mike W. Burger (Hawaii) wrote:

> Any tips on the best times for 40 meters to the US? I certainly can
> find the best times for 40 meter CW to Japan, evenings and mornings.
> During daylight hours, 40 is pretty ragged with noise locally.

Mike - my grey line DX'ing in the morning is nearly 100% towards the West, into Asia. I work zillions of JAs, HL, 3W, 9K, etc. VERY FEW contacts to the East at that time. Why? Because the sun has already risen to my East and clobbered that layer of the ionosphere that reflects the 40 meter signals. I doubt you'll be working too many of us mainlanders during your sunrise time.

I easily work into HI in the evenings, usually from about 8:00 till midnight Pacific time. Might be open later, but I'm usually checking my eyelids for leaks by that time! In fact, last night (Wednesday) there was a booming signal on about 7.038 from a guy in Kona, right about the time I was looking for KG0WE in North Dakota. So, you should be able to work us from 04:00GMT on into the night. Can't say what the folks in the Mountain, Central, and Eastern time zones are doing for Hawaii QSOs. You'll probably see other posts from those "right coasters." :-)

Just about the time 40 meter sunrise greyline is closing down to the West (about an hour after sunrise), 20 meters is usually wide open into Europe from here in Northern California.

Hope this helps. 72/73, Jim.

p.s. - you didn't give your call, so I don't know who to look for to the West! :-)

Jim Bennett / W6JHB (jbennett@ebmud.com)
Supervising Systems Programmer
East Bay Municipal Utility District
Oakland, CA 94607
voice: 510.287.0224 / fax: 510.287.0373

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [15671] Re: CQC CONTEST
Message-ID: <199703260142.SAA14383@lynx.csn.net>

>>Have the results of the CQC QSO party been posted? I
missed them if they were. Come on QTTF ! CU---OJ---K10J
Houston, Tx. ..
<<

Jim reported on the net last night that today is the deadline for
receipt of logs, and so he wouldn't say anything at all about
results. I'll see that the info gets on the list as soon as it's
available.

73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Joe Gervais <vole@primenet.com>
Subject: [15695] Re: FYBO Final Results
Message-ID: <199703261544.IAA04882@usr10.primenet.com>

Howdy Folks,

Forgot one more category for my notes....

Best Soapbox Comment:

KV9X, "The monkeys started howling once the antenna was up and kept
me entertained during the slower hours."

: -)

Only two corrections so far. Both KV9X and KF4KRV were operating
from the field. Which makes sense - you'd hate to think Brian (KV9X)
had a monkey problem at his QTH... :-) Ed (KF4KRV) braved raging
storms on Gopher Island on the Chattahoochee River. No signs of
howling gophers though.

The original results have been posted on KI7MN's website
<<http://www.dancris.com/~ki7mn>> and after a day or two have
passed and I've rolled in all of the corrections, the final
corrected results will show up there too (thanks Bob).

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Chris Cartwright <ccart@dns.vidtel.com>
Subject: [15725] Re: FYBO Final Results
Message-ID: <Pine.LNX.3.93.970326170328.1321C-100000@dns.vidtel.com>

On Wed, 26 Mar 1997, Joe Gervais wrote:

> - Only two N/T+ logs were received (N3XRV/T, NL7QT/T). Thanks guys!
> N/T+: N3XRV/T, 2,400 pts. (VibroFloyd Paddles - Thanks NQ7X!)

Wooooo Hoooo! Happy dance, oh, that's right, I can't dance :(And on
Monday I ordered the MFJ-564 paddles... :-S Wait until next year, keyer
in each hand, two rigs, "stereo" headphones, voice logging, <fade to
dream sequence>, sitting at the base of the 100' tower, stacked 40M
yagi's, watt meter showing a mighty 0.001KW. Hey, hey! wake up! I gotta
keep practicing to get through 1B.

Many thanks to Joe and Floyd and all who helped/worked/donated/QRS'ed,
best time this newbie has had on the radio so far. Had so much fun that
you can count on me for next year (hopefully I won't be worth so many
points:) And see you at QTTF, or is that QRPTTF?? After the movies ID4
and Mars Attacks, I should be able to work QTTF from the Maill in DC
right?

72

-- Christopher Cartwright, Tech. Engineer		ccart@vidtel.com
-- Phone 301.990.0735 N3XRV QRP-L #655		ccart@erols.com
-- QRP WAS 11/3 (w/c) QRP-ARCI #9271		http://dns.vidtel.com/~ccart

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Joe Gervais <vole@primenet.com>
Subject: [15729] Re: FYBO Final Results
Message-ID: <199703262243.PAA25290@usr02.primenet.com>

Chris (N3XRV) wrote:

>

> Wooooo Hoooo! Happy dance, oh, that's right, I can't dance :(

That's the beauty of the Happy Dance - doesn't matter if you
can dance or not. :)

> And on Monday I ordered the MFJ-564 paddles... :-S

A little time behind the ol' VibroFloyds and you'll send
that other one back for a refund and spend your \$\$\$ on an
SST. ;)

Glad ya had fun, and congrats!!!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And then you must cut down the mightiest tree in the
forest with... A HERRING!"

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Subject: [15708] RE: HOW WARM IS TOO WARM (COOLING FAN ON RIG)
Message-ID: <51714.owen@piper.eeel.nist.gov>

In message Wed, 26 Mar 97 11:08:09 CDT,
"David Kreinberg" <kreinbd@ccgate.dl.nec.com> writes:

> Here's the rub - using the FT-840 on every band except
> 30m, (running 5 watts) the rig stays nice and cool. Only
> after keying for about 15-20 minutes at 20+ wpm does the
> rig's cooling fan kick on for a few seconds.

>

> On 30m, however, after about 3 minutes of keying, the rig's
> heatsink gets warm (not burning hot, but warm) and the fan
> needs to run. I'm super worried about damaging my finals
> before I get to enjoy this rig. How hot is too hot?

>
> Is this a sign that my set-up is inefficient on 30? Even
> though the tuner provides a good match to the rig, does
> the rig have to "work harder".
>

T00 HOT--that is hot enough to damage the finals, the heat sink will be so hot that it will be impossible to keep your hand on it for more than a second or so. Therefore I wouldn't be concerned about the amount of heat you're talking about. However, that difference on 30M is strange. The antenna shouldn't have any effect on it if the SWR measured between the rig and tuner is 1:1, then it looks like a 50 ohm load. I think that on 30m that you MAY have a parasitic oscillation. A good test is on key down at about 5 watts output look at the collector current on several bands. The current should be about the same on all bands. I would think that it would be about 2-3 amps max. If you find it high on 30m, say 8-10 amps then this is why the heat sink is getting warm. Try the same test with a 50 ohm dummy load connected in place of the tuner/antenna.

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [15712] Re: HOW WARM IS TOO WARM (COOLING FAN ON RIG)
Message-ID: <Pine.A41.3.95b.970326101556.68548C-100000@homer34.u.washington.edu>

I purchased an AC line powered fan that has a clamp mount. It can be moved around to pass air over any QRO rig on the bench...and there's a few, hi hi, mostly boat anchors. The reason for getting the fan is detailed below:

When the finals (one of two actually) in my 1978 Icom IC-701 let go, I should have seen it coming but was too engrossed in the QSO I was having at the time. It has an internal fan but when the XMIT/VOX switch is on VOX that fan only comes on for the duration of the VOX. When operating CW, my primary mode, that fan only came on for the duration of a dit or dah. This wasn't long enough to cool the finals. Also, when the final's temperature got too high the frequency display was supposed to flash. I never noticed it but after the finals blew I did confirm the display would flash by heating the thermistor with a heat gun. To answer your question, the heatsink on the IC-701 was only warm to the touch, never so hot that I couldn't lay a hand back there and hold the heat sink area.

I could have switched the rig to XMIT and the internal fan would have come on as long as necessary to cool the rig. That is, until I wanted to receive then I would have to have switched the rig back to VOX (which would have shut off the fan). Manually switching

the rig from XMIT to VOX would no doubt have added a few more years to the life of the original finals.

I acquired a new matched set of final transistors from RF Parts. Fortunately I had the tools and experience to do the job myself so the repair cost was very reasonable. And now I have this small and reasonably quiet external fan that I picked up at Home Depot. I can direct the flow of air to any of my rigs where needed and it works. The fan on the Icom seldom if ever comes on now that I am using the external fan. Of course my code speed has increased and I believe the shorter dits and dahs contribute to reduced heating in the finals.

So, in summary, the internal fan on my Icom IC-701 was designed to shut off anytime the rig was in receive. Combined with the VOX this was detrimental to the finals during long and slow CW sessions. The heatsink never felt hot to the touch. With new finals and an external fan I've had no repeat problems of overheated final transistors. The rig was gone over by Icom this year and pronounced aligned & healthy. And the Icom technician complemented me on my rework :)

Enjoy!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Glenn Swanson <gswanson@arrl.org>
Subject: [15717] Re: Location of JW5HE
Message-ID: <33398CF2.5F4@arrl.org>

Hello Jim,

Must have seen a question like this a hundred times before on various lists. May I recommend the ARRL "DXCC Countries List" (\$2, plus \$3 shipping) as a great investment? Along with page after page of "common" DX prefixes, it has a handy look-up table that lets you look up some of those not-so-common prefixes, too.

* This is not a commercial announcement:

Just someone trying to help a fellow Radio Amateur!

73, Glenn, KB1GW

Jim Kortge, K8IQY wrote:

>

> Gand....not being an avid DXer, how good is working

> JW5HE with the 38S at 3 watts. Is this a rare one??
 >
 > That's #14 for DXCC!
 >
 > 72....Jim
 >
 > Jim Kortge, K8IQY (ex NU8N) | BMHA, NorCal, QRP-L
 > jokortge@tir.com | __o Cascade 17/40 SSB
 > Fenton, MI | _\<, Mizuho 17/40 SSB
 > (*)/(*)

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
 From: Michael Tracy <mtracy@arrl.org>
 Subject: [15720] Re: Location of JW5HE
 Message-ID: <3339BC95.5E4C@arrl.org>

Glenn Swanson wrote:

> Must have seen a question like this a hundred times before on various
 > lists. May I recommend the ARRL "DXCC Countries List" (\$2, plus \$3
 > shipping) as a great investment? Along with page after page of "common"

Actually, the \$\$\$ pretty much is to cover printing costs - you can also
 view the list in HTML at http://www.arrl.org/awards/dxcc/list_1a0.html

73, Michael, KC1SX, ARRL Technical Information Service

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
 From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
 Subject: [15664] Re: Micrometals Phone Number
 Message-ID: <3.0.1.16.19970325190320.2a075f70@mail49.mci2000.com>

At 01:35 PM 3/25/97 -0800, you wrote:

>Does anyone have the phone number for Micrometals in LA? I need it.

>Thanks. 72, Doug, KI6DS

>

>

Doug....try 1-800-356-5977. My catalog says they are
 in Anaheim, so close enuff to LA!

72....Jim

Jim Kortge, K8IQY (ex NU8N) | BMHA, NorCal, QRP-L
jokortge@tir.com | __o Cascade 17/40 SSB
Fenton, MI | _`\
... .. (*)/(*)

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [15726] Re: Need location
Message-ID: <199703262234.QAA15222@admin.inetport.com>

VA is Canada...

However, if his name was Vlad, I would suspect that it might
have been a UA2 ?????

Larry
KA5T lewise@inetport.com

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Joe Gervais <vole@primenet.com>
Subject: [15731] Re: Need location
Message-ID: <199703262248.PAA25633@usr02.primenet.com>

Howdy again Folks,

Larry (KA5T) wrote:

>
> VA is Canada...
>
> However, if his name was Vlad, I would suspect that it might
> have been a UA2 ?????

Either that or my old neighbor Vlad in San Diego who'd never
been to Russia. Don't know if he ever got his license though. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Bill Todd <bill@techline.com>
Subject: [15698] Re: QRPers at JavaOne in SF?
Message-ID: <1.5.4.32.19970326165449.0068e778@mail.techline.com>

At 08:46 AM 3/26/97 -0500, you wrote:

>Hello All -

>

> Any other QRPers going to be at the Java Convention

>next week at the Moscone Center in San Fran?

Sorry Gary -

I kinda like Starbucks coffee, and have no interest in trying out other brands of coffee.

Have fun -:)

Bill - N7MFB

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: KFGlynn@aol.com
Subject: [15674] Re: QRPTTF, April 26, 1997 ;-) & Antennas & Political Humor
Message-ID: <970325230613_1815900588@emout03.mail.aol.com>

In a message dated 97-03-25 10:52:28 EST, wa5whn@juno.com (Jay D Miller) writes:

<< 6. Manhattan area of NYC. Talk about "The Twilight Zone". What I had seen there, was not Human. ; -)

>>

Manhattan? Hey, that's not a bad idea. Was going to operate from Brooklyn, a stone's throw from Manhattan - how about the Staten Island Ferry, Maritime Mobile?

72 Kevin N2TO

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Mark Saunders <tracker@dancris.com>
Subject: [15669] Re: Sierra Beginner?
Message-ID: <33387A81.4422@dancris.com>

Hi gang,

This thread is interesting, so I'll add my 2 watts worth.

I received my Wilderness Sierra on February 13. I have NEVER built a kit before, but the kit went together in 4 evenings and the 40m band module in aother. The kit worked the first time I turned it on. What a rewarding feeling.

The KC/2 keyer,s-meter,power meter is a real sweet unit and works great. The advantage of the Wilderness Sierra over the NorCal Sierra is the Wilderness Sierra has all the circuitry for the KC/2 features built into the design,and the NorCal requires additional circuitry to accomplish the same.

I do want to find out how to boost the power output a bit. The power output on 15m is 1.5 watts. It would be nice to get around 4 watts output on all bands.

I have all band modules 10-160 meters, but only have 80, 40, 30, and 15 meters built. The rest will follow shortly. I'm going to build a second 80m module. This one to cover the Novice QRP frequency 3.710, but first I need to find a crystal that will allow that range. That should not be too hard. Right?

I can't wait for QRP to the field this year. By the way, when is it?

There is no doubt about it, I'm hooked on QRP now.

Mark Saunders -- KJ7BS
Glendale, Arizona

<http://www.dancris.com/~tracker/tracker.html>
tracker@dancris.com

KJ7BS@KC7Y.AZ.USA.NOAM

FISTS # 2972 QRP-L # 1028

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: [15700] Re: Who sells the Autek RF-1?
Message-ID: <19970326170824.AAA18777@LOCALNAME>

At 03:40 PM 3/26/97 +0000, you wrote:

>
>Gang,
>
>I'm setting up some labs and need to purchase some equip. I've got
>info on the MFJ-259, and wondered who carries the Autek?
>
>Much Thanks!!
>
>Randy

Last address I had was:

Autek Research,
Box 8772,
Madiera Beach, FL.,
33738

I use the dickens outta mine!

73,

>

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: 860 tubes, WL-460 tubes, RK-18,20,28 tubes

Butternut HF2V antenna, G-R test gear.....*

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997

From: Ed Hare <ehare@arrl.org>

Subject: [15704] Re: Who sells the Autek RF-1?

Message-ID: <5hbm0\$bbbr@mgate.arrl.org>

Randy Kaufman <krandy@hubcap.clemson.edu> wrote:

>Gang,

>I'm setting up some labs and need to purchase some equip. I've got
>info on the MFJ-259, and wondered who carries the Autek?

>Much Thanks!!

>Randy

>From the database on the 1997 ARRL Handbook disk:

Autek Research
PO Box 8772
Madeira Beach, FL 33738
USA

Phone: 813-886-9515

Products/Services: TEST EQUIPMENT-SWR ANALYZER, TEST EQUIPMENT-SWR METER,
TEST EQUIPMENT-RF POWER METER

Notes: Products include an SWR/Wattmeter and the 'RF Analyst', a meter
for SWR, Frequency, Impedance and L/C.

Date of last change: March 15, 1996

72/73 from ARRL HQ,
Ed Hare, KA1CV

From owner-qrp-l@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: Brian Kassel <bkassel@dancris.com>
Subject: [15705] RE: WIMPS Dipole Idea
Message-ID: <199703261735.KAA16649@dancris.com>

Gang:

This antenna is also in W6SAI's latest antenna book. Interesting idea. As I think in the "vertical plane" I would cut the antenna in half and make a vertical out of it. Oh yes don't forget 16 (.1 wavelength) radials if ground mounted. :-) For another twist elevate the system and make 4 radials for each band out of RG174 (NOTE: length would be about half the size because of the V factor of the coax.)

* Brian D. Kassel W5VBO - QRP NERD 10 - ScQRPion # 0 *
* QRP-L #404 - ARCI #3623 *

From owner-qrp-1@Lehigh.EDU Wed Mar 26 18:03:50 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [15666] Re: [15601] Re: 1997 Amateur Radio Almanac
Message-ID: <199703260025.QAA20459@netcom8.netcom.com>

Date: Mon, 24 Mar 1997 20:31:21 -0600
From: Somebody

Okay John, you got me there. After all, I'm a HAM, not an english teacher. Which is gud, cause I cain't spell worth a dern...

It'd be interesting if they reinstated the CW sending tests, and then people failed because they couldn't spell.

But, spelling isn't important and CW is, right???

73, doug